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3. The method as claimed in claim 1, further comprising subdividing one or more sets within the cache array.
4. The method as claimed in claim 1, further comprising using a single least recently used array to replace ways.
5. The method as claimed in claim 1, further comprising applying a multiple pseudo least recently used update based on an entry hit.
6. The method as claimed in claim 1, further comprising partitioning dynamically the cache array into a direct-mapped cache.
7. A device comprising:
a cache memory array dynamically partitioned when multiple memory requests are received from an integrated device having a plurality of processors.
8. The device as claimed in claim 7 further comprising:
an integrated device having a plurality of processors connected to the cache memory array.
9. The device as claimed in claim 7 further comprising a main memory device connected to the cache memory array.
10. The device as claimed in claim 8 wherein the integrated device includes a graphics processor and a central processing unit.
11. A computer-readable medium having stored thereon a plurality of instructions, said plurality of instructions when executed by a computer, cause said computer to perform the method of:
partitioning a cache array dynamically based upon requests for memory from an integrated device having a plurality of processors.

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12. The computer-readable medium of claim 11 having stored thereon additional instructions, said additional instructions when executed by a computer, cause said computer to further perform the method of subdividing one or more ways within the cache array.

13. The computer-readable medium of claim 11 having stored thereon additional instructions, said additional instructions when executed by a computer, cause said computer to further perform the method of subdividing one or more sets within the cache array.

14. The computer-readable medium of claim 11 having stored thereon additional instructions, said additional instructions when executed by a computer, cause said computer to further perform the method of using a single least recently used array to replace ways.

15. The computer-readable medium of claim 11 having stored thereon additional instructions, said additional instructions when executed by a computer, cause said computer to further perform the method of applying a multiple pseudo least recently used update based on an entry hit.

16. The computer-readable medium of claim 11 having stored thereon additional instructions, said additional instructions when executed by a computer, cause said computer to further perform the method of partitioning dynamically the cache array into a direct-mapped cache.

17. (Cancelled)

18. (Cancelled)

19. (Cancelled)

20. (Cancelled)

21. (Cancelled)